

REMARKS

Claims 1-20 are pending in the subject application. Of those claims, claims 1, 8, 12 and 19 are independent.

In the outstanding non-final Office Action, the Patent Office appears to object to the wording of the Abstract. Applicant respectfully traverses this objection, but has changed the word "said" to - - the - -, as suggested by the Examiner. Accordingly, reconsideration and withdrawal of the objection to the Abstract is requested.

Regarding the claims, claims 1-3, 5-8, 10-11 and 19-20 are rejected under 35 USC Section 102(e) as being anticipated by Aiello et al. (US Patent Publication 2005/0018762, hereinafter "Aiello"). Claims 12, 15 and 18 are rejected under 35 USC Section 102(e) as being anticipated by Jeon et al. (US Patent Publication 2004/0110510, hereinafter "Jeon"). Claims 4, 9, 13-14 and 16-17 are then rejected under 35 USC Section 103(a) as being unpatentable over Aiello in view of Jeon.

The foregoing rejections are respectfully disagreed with, and are traversed below.

Aiello relates to ultra wide band communication systems and methods. In one embodiment, an ultrawide band communication system includes a first and a second communication device. A lowest common ultra wide band pulse repetition frequency is determined, and data is transmitted between the communication devices using the lowest common ultra wide band pulse repetition frequency (Abstract).

Jeon discloses an apparatus and method for channel quality estimation and link adaptation in an orthogonal frequency division multiplexing (OFDM)

wireless communication system (See, page 1 of Jeon).

It is respectfully asserted that the afore-cited references, whether viewed alone or in any combination, do not disclose or suggest Applicant's method for wideband communication, as set forth in independent claim 1, reciting:

“transmitting pulses from a first communication device to another device via a wireless link at a pulse repetition frequency, the pulse repetition frequency substantially defining a time difference between adjacent pulses, wherein the method comprises:

performing measurements, based on pulses received at said another device, in order to obtain information on delay conditions of the wireless link; and

adjusting the pulse repetition frequency based on said measurements.”

The cited references, whether viewed alone or in combination, do not disclose or suggest Applicant's communication device, as recited in independent claims 8 and 12, configured for wideband communication, the communication device comprising, respectfully:

“a receiver for receiving pulses transmitted, by another device, via a wireless link, wherein the communication device comprises:

a measurement arrangement for measuring, based on the received pulses, delay conditions of the wireless link for link adjustment purpose” (claim 8)

“a transmitter for transmitting pulses via a wireless link to another device; and

a receiver for receiving link control information from said another device, wherein the link control information comprises information

indicative of measured delay conditions of the wireless link for link adjustment purpose" (claim 12).

Similarly, Applicant's system for wideband communication, as recited in independent claim 19, is not disclosed or suggested by the cited art.

Nor is there any reason to combine and modify the cited reference in an attempt to arrive at the above subject matter recited in Applicant's independent claims.

For at least the reasons set forth above, the rejection of the independent claims should be reconsidered and withdrawn. Similarly, all claims depending from any of the afore-referenced independent claims should also be reconsidered and withdrawn.

Accordingly, the Examiner is respectfully requested to reconsider and withdraw the outstanding rejections and objection.

All issues having been addressed, a favorable consideration that results in the allowance of all of the pending claims is earnestly solicited.

Respectfully submitted:

Christine Wilkes Beninati 7/24/09
Christine Wilkes Beninati Date

Reg. No.: 37,967

Customer No.: 29683

HARRINGTON & SMITH, PC

4 Research Drive

Shelton, CT 06484-6212

Telephone: (203) 925-9400

Facsimile: (203) 944-0245



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